



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010521
CERTIFICATION DATE: December 18, 2013
DATE RECERTIFICATION DUE: June 16, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

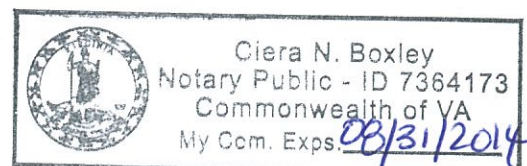
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 30th day of December, 2013, by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



msk

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 12/19/2013

HMS
TLN

Instrument Serial Number:	010521	As of 19-Dec-13
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Maintenance Date	Certification Date	Technician Initials	Remarks
18-Dec-13	18-Dec-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
03-Jul-13	03-Jul-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
15-Jan-13	15-Jan-13	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
26-Jul-12	26-Jul-12	HMS (18910)	CERTIFIED
07-Feb-12	07-Feb-12	HMS (18910)	CERTIFIED
17-Aug-11	17-Aug-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
10-Mar-11	10-Mar-11	HMS (18910)	CERTIFIED
29-Sep-10	29-Sep-10	HMS (18910)	CERTIFIED
06-Jul-10	13-Apr-10	HMS (18910)	REPLACED DRY GAS STANDARD.
13-Apr-10	13-Apr-10	HMS (18910)	CERTIFIED
28-Oct-09	28-Oct-09	RJP (22428)	CERTIFIED.
13-May-09	13-May-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
04-Dec-08	04-Dec-08	HMS (18910)	CERTIFIED.
20-Nov-08	20-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

Handwritten initials: HND, TUN

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010521 Worksheet Start Date 12/18/2013
Location Vinton Police Department
Address 311 S. Pollard St., Vinton, VA 24179
DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 740 Reference Barometer (mm HG) 743
Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.294
0.300	0.292	0.283	0.300	Sample 2	0.295
Precision		sample min	sample max	Sample 3	0.294
0.001		0.294	0.295		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.098
0.100	0.097	0.094	0.100	Sample 2	0.098
Precision		sample min	sample max	Sample 3	0.098
0		0.098	0.098		

Dry gas standard Lot No. (with tank no.) AG219101-09

☐ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50

Notes:

Firmware/software upgrade.

Instrument Serial Number

010521

Certification Date

12/18/2013

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.242
0.250	0.243	0.235	0.250	Sample 2	0.242
Precision		sample min	sample max	Sample 3	0.241
0.001		0.241	0.242		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.145
0.150	0.146	0.141	0.150	Sample 2	0.146
Precision		sample min	sample max	Sample 3	0.145
0.001		0.145	0.146		

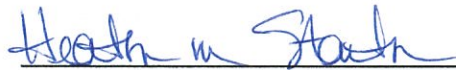
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.077
0.080	0.078	0.075	0.081	Sample 2	0.077
Precision		sample min	sample max	Sample 3	0.077
0		0.077	0.077		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.018
0.020	0.019	0.016	0.022	Sample 2	0.018
Precision		sample min	sample max	Sample 3	0.018
0		0.018	0.018		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

12/19/13

Issuing Analyst



Date

12/20/13

ANS
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010521 Test Number: 582

Test Date: 12/18/2013 Test Time: 10:20 EST

Dry Gas Target: 0.292

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 325 psi Barometric Pressure: 740 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:20
CHK	0.298	10:21
BLK	0.000	10:23
CHK	0.298	10:23
BLK	0.000	10:25
CHK	0.297	10:26

Test Status: *Success*

Calibration CRC: 0AC66C5B

AMS
TLW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010521 Test Number: 583

Test Date: 12/18/2013 Test Time: 10:28 EST

Dry Gas Target: 0.097

Lot Number: AG219101-09 Exp Date: 07/09/2014

Tank Pressure: 345 psi Barometric Pressure: 740 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:29
CHK	0.099	10:29
BLK	0.000	10:31
CHK	0.099	10:32
BLK	0.000	10:33
CHK	0.099	10:34

Test Status: *Success*

Calibration CRC: 0AC66C5B

4110
TLW




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/18/2013
TEST EQUIPMENT NUMBER 010521		

RESULTS: TIME SAMPLE TAKEN 10:41 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Dec 2013 at 10:53

TEN
KNO
JEN

Test Results

Instrument Serial Number 010521

Test # 000584

Subject Test

Test Location 1 Department of
Test Date 18 Dec 2013

Test Location 2 Forensic Science
Test Time 10:35
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab
Card Serial Number 118910
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number

Operator's First Name HEATHER
Operator's Middle Initial N
License Number 18910
Effective Date 10/01/2012
Expiration Date 10/01/2014
Subject's First Name TEST
Subject's Date of Birth 00/00/0000
Subject's Sex Male
Driver's License Expiration 00/00/0000
Court Name DFS

End Date	18 Dec 2013	End Time	10:42	Result Time	10:41	Result Date	18 Dec 2013	Result	0.00
Data Type	DIAG			Sample Value	Pass			Sample Time	10:35
Data Type	BLK			Sample Value	0.000			Sample Time	10:36
Data Type	CHK			Sample Value	0.099			Sample Time	10:37
Data Type	BLK			Sample Value	0.000			Sample Time	10:38
Data Type	SUBJ			Sample Value	0.000			Sample Time	10:39
Data Type	BLK			Sample Value	0.000			Sample Time	10:39
Data Type	SUBJ			Sample Value	0.000			Sample Time	10:41
Data Type	BLK			Sample Value	0.000			Sample Time	10:42
Standard Type	Dry Gas Std					Standard Value	0.097		
Standard Lot Number	AG219101-09					Standard Expiration Date	07/09/2014		
Tank Pressure	340					Barometric Pressure	740 mmHg		
Blow Sample Number	1	Blow Duration	3.73 sec	Blow Volume	1741 cc	End-of-Blow Time	10:39		
Blow Sample Number	2	Blow Duration	3.56 sec	Blow Volume	1722 cc	End-of-Blow Time	10:41		
Tamper Evident Stamp	5486612f					Test Status Code	0		
Test Status	Success								

AMB
TLV

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010521

System Date: 12/18/2013

System Time: 11:09 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

END
TLN

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010521 Test Number: 585

Test Date: 12/18/2013 Test Time: 11:11 EST

Dry Gas Target: 0.097

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 517 psi Barometric Pressure: 739 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:12
CAL	0.097	11:13

Test Status: *Success*

Calibration CRC: EB091AA5

AMB
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010521 Test Number: 586
Test Date: 12/18/2013 Test Time: 11:15 EST

Technician Initials: HMS

Dry Gas Target: 0.243

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 115 psi Barometric Pressure: 739 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:16
BLK	0.000	11:17
CHK	0.242	11:17
BLK	0.000	11:19
CHK	0.242	11:20
BLK	0.000	11:21
CHK	0.241	11:22
BLK	0.000	11:23

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
FLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010521 Test Number: 587
Test Date: 12/18/2013 Test Time: 11:25 EST

Technician Initials: HMS

Dry Gas Target: 0.146

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 399 psi Barometric Pressure: 739 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:25
BLK	0.000	11:26
CHK	0.145	11:27
BLK	0.000	11:28
CHK	0.146	11:29
BLK	0.000	11:30
CHK	0.145	11:31
BLK	0.000	11:32

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

LMS
TW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010521 Test Number: 588
Test Date: 12/18/2013 Test Time: 11:34 EST

Technician Initials: HMS

Dry Gas Target: 0.078

Lot Number: 0771308012-04 Exp Date: 05/01/2015

Tank Pressure: 546 psi Barometric Pressure: 739 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:34
BLK	0.000	11:35
CHK	0.077	11:35
BLK	0.000	11:37
CHK	0.077	11:37
BLK	0.000	11:39
CHK	0.077	11:39
BLK	0.000	11:41

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
TUN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010521 Test Number: 589
Test Date: 12/18/2013 Test Time: 11:42 EST

Technician Initials: HMS

Dry Gas Target: 0.019

Lot Number: 0771302011-04 Exp Date: 05/01/2015

Tank Pressure: 649 psi Barometric Pressure: 739 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:43
BLK	0.000	11:43
CHK	0.018	11:44
BLK	0.000	11:45
CHK	0.018	11:46
BLK	0.000	11:47
CHK	0.018	11:48
BLK	0.000	11:49

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

MS
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010521 Test Number: 590

Test Date: 12/18/2013 Test Time: 11:53 EST

Dry Gas Target: 0.292

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 321 psi Barometric Pressure: 739 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:54
CHK	0.294	11:54
BLK	0.000	11:56
CHK	0.295	11:57
BLK	0.000	11:59
CHK	0.294	12:00

Test Status: *Success*

Calibration CRC: EB091AA5

HND
TLW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010521 Test Number: 591

Test Date: 12/18/2013 Test Time: 12:02 EST

Dry Gas Target: 0.097

Lot Number: AG219101-09 Exp Date: 07/09/2014

Tank Pressure: 335 psi Barometric Pressure: 739 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:03
CHK	0.098	12:03
BLK	0.000	12:05
CHK	0.098	12:06
BLK	0.000	12:07
CHK	0.098	12:08

Test Status: *Success*

Calibration CRC: EB091AA5

LHS
TLN



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
STANTON, HEATHER, M		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
18910	10/01/2014	12/18/2013
TEST EQUIPMENT NUMBER		
010521		

RESULTS: TIME SAMPLE TAKEN 12:16 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



Handwritten initials: KMS, TLN

Test Results

Instrument Serial Number 010521

Test # 000592 Subject Test

Test Location 1 Department of
Test Date 18 Dec 2013

Test Location 2 Forensic Science
Test Time 12:09
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 18 Dec 2013 End Time 12:17

Result Time 12:16

Result Date 18 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:10

Data Type BLK

Sample Value 0.000

Sample Time 12:10

Data Type CHK

Sample Value 0.098

Sample Time 12:11

Data Type BLK

Sample Value 0.000

Sample Time 12:13

Data Type SUBJ

Sample Value 0.000

Sample Time 12:13

Data Type BLK

Sample Value 0.000

Sample Time 12:14

Data Type SUBJ

Sample Value 0.000

Sample Time 12:16

Data Type BLK

Sample Value 0.000

Sample Time 12:17

Standard Type Dry Gas Std

Standard Value 0.097

Standard Lot Number AG219101-09

Standard Expiration Date 07/09/2014

Tank Pressure 325

Barometric Pressure 739 mmHg

Blow Sample Number 1 Blow Duration 3.30 sec

Blow Volume 1753 cc End-of-Blow Time 12:13

Blow Sample Number 2 Blow Duration 3.50 sec

Blow Volume 1727 cc End-of-Blow Time 12:16

Tamper Evident Stamp 48dd8337

Test Status Code 0

Test Status Success